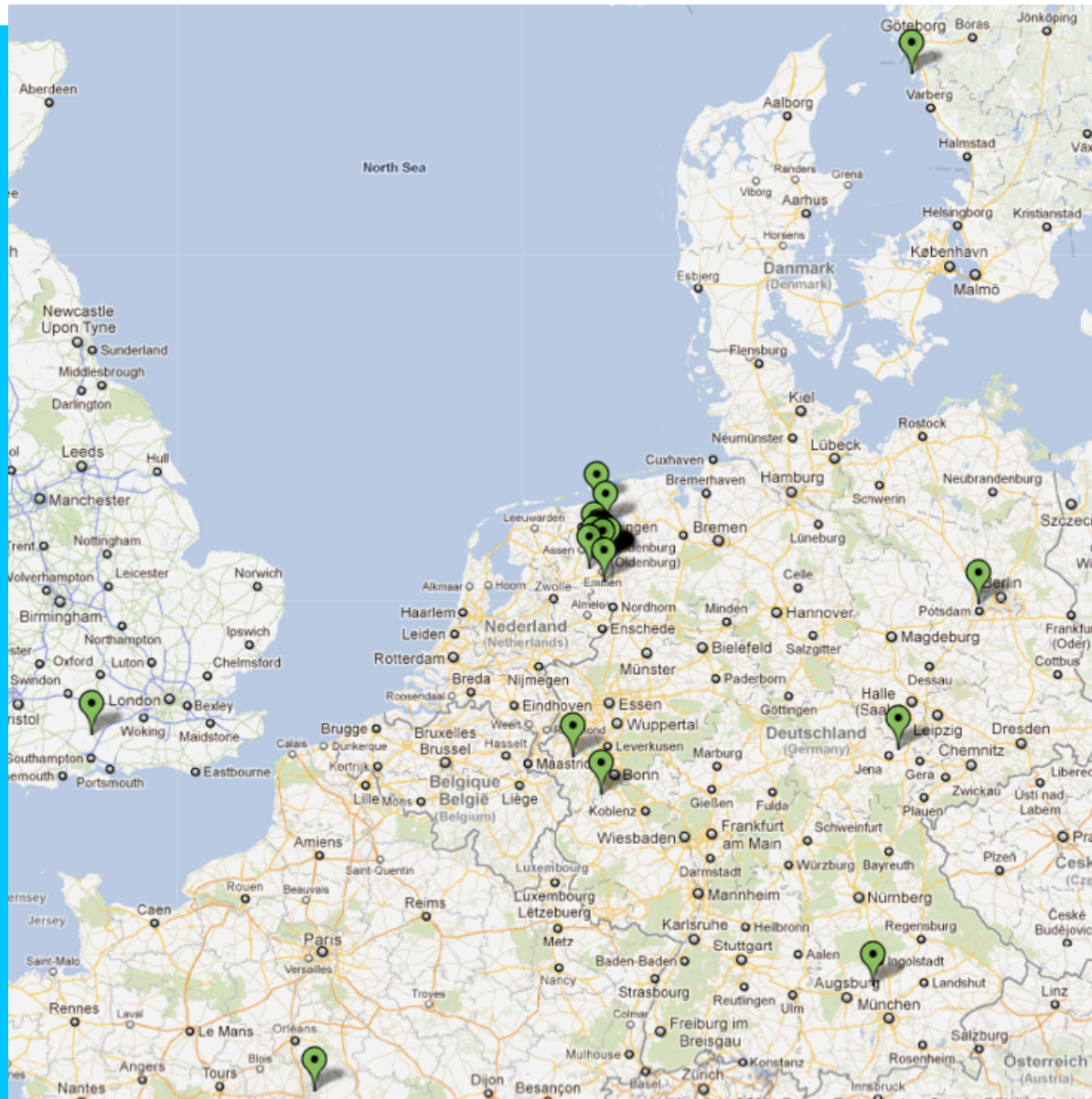


## Operational Status



## Current Status:

33 operational NL  
stations

24 core + 9 remote

Validated:

*8 Intern. stations part of  
the array.*

*3\*10Gb/s lines  
operational*



# Calibration Tables & HBA repairs: [www.astron.nl/radio-observatory/astronomers/current-status](http://www.astron.nl/radio-observatory/astronomers/current-status)



Calibration Tables						HBA repairs		Remark
Station Name	Mode 1/2	Mode 1/4	Mode 5	Mode 6	Mode 7	RCU firmware V12	Last HBA repair	
CS 001						13-09-11	20-09-11	HBA repair 50%
CS 002	28-Sep-11	28-Sep-11	28-Sep-11			12-09-11	12-09-11	HBA repair 100%
CS 003	28-Sep-11	28-Sep-11	28-Sep-11			13-09-11	16-09-11	HBA repair 100%
CS 004	28-Sep-11	28-Sep-11	28-Sep-11			12-09-11	15-09-11	HBA repair 100%
CS 005	28-Sep-11	28-Sep-11	28-Sep-11			12-09-11	15-09-11	HBA repair 100%
CS 006	28-Sep-11	28-Sep-11	28-Sep-11			13-09-11	19-09-11	HBA repair 100%
CS 007	28-Sep-11	28-Sep-11	28-Sep-11			12-09-11	13-09-11	HBA repair 100%
CS 011	NEW STATIONS					15-09-11	03-10-11	HBA repair 100%
CS 013						14-09-11		HBA not complet
CS 017	14-Oct-11	4-Nov-11	14-Oct-11			04-10-11	27-09-11	HBA repair 100%
CS 021	14-Oct-11	4-Nov-11	14-Oct-11			13-09-11	31-10-11	HBA repair 100%
CS 024	14-Oct-11	4-Nov-11	14-Oct-11			14-09-11	22-09-11	HBA repair 100%
CS 026			14-Oct-11			04-10-11	22-09-11	HBA repair 100%
CS 028	NEW STATIONS					05-10-11	04-10-11	HBA repair 100%
CS 030		4-Nov-11	14-Oct-11			04-10-11	29-09-11	HBA repair 50%
CS 031	NEW STATIONS					14-09-11	11-02-11	HBA repair 100%
CS 032		4-Nov-11	14-Oct-11			15-09-11	29-09-11	HBA repair 100%
CS 101	4-Nov-11	4-Nov-11	14-Oct-11			04-10-11	20-09-11	HBA repair 100%
CS 103	4-Nov-11		14-Oct-11			05-10-11	21-09-11	HBA repair 100%
CS 201	4-Nov-11	4-Nov-11	14-Oct-11			05-10-11	21-09-11	HBA repair 100%
CS 301	14-Oct-11		14-Oct-11			13-10-11	27-09-11	HBA repair 50%
CS 302		14-Oct-11	14-Oct-11			14-10-11	26-09-11	HBA repair 100%
CS 401	4-Nov-11		14-Oct-11			18-08-11	03-10-11	HBA repair 50%
CS 501	4-Nov-11	4-Nov-11	4-Nov-11			13-10-11	27-10-11	HBA repair 100%
RS 106		14-Oct-11	14-Oct-11			17-10-11	16-09-11	HBA repair 100%
RS 205		14-Oct-11	14-Oct-11			15-11-11	16-09-11	HBA repair 100%
RS 208	14-Oct-11		14-Oct-11			24-10-11	22-09-11	HBA repair 100%
RS 306	14-Oct-11		14-Oct-11			17-10-11	20-09-11	HBA repair 100%
RS 307	14-Oct-11	14-Oct-11	14-Oct-11			15-11-11	16-09-11	HBA repair 100%
RS 406	14-Oct-11	14-Oct-11					09-09-11	HBA repair 100%
RS 503	14-Oct-11	14-Oct-11	14-Oct-11			26-10-11	19-09-11	HBA repair 100%
RS 508	14-Oct-11	14-Oct-11	14-Oct-11				28-09-11	HBA repair 100%
RS 509	14-Oct-11	14-Oct-11	4-Nov-11				12-04-11	HBA repair 100%
DE 601								
DE 602		14-Oct-11	14-Oct-11					
DE 603		INTERFE-	14-Oct-11					
DE 604		-RENCE	14-Oct-11					
DE 605		14-Oct-11	14-Oct-11					
FR 606		14-Oct-11	14-Oct-11					
SE 607		14-Oct-11	14-Oct-11					
UK 608		14-Oct-11	14-Oct-11					

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- Diagram illustrating the LOFAR UK608 HBA damage. The diagram shows a circular grid of 96 diamond-shaped cells, numbered 0 to 95. A central cluster of four cells (9, 17, 18, 19) is highlighted. Cell 18 is red, and cells 9, 17, and 19 are yellow. A north arrow is in the top right corner.

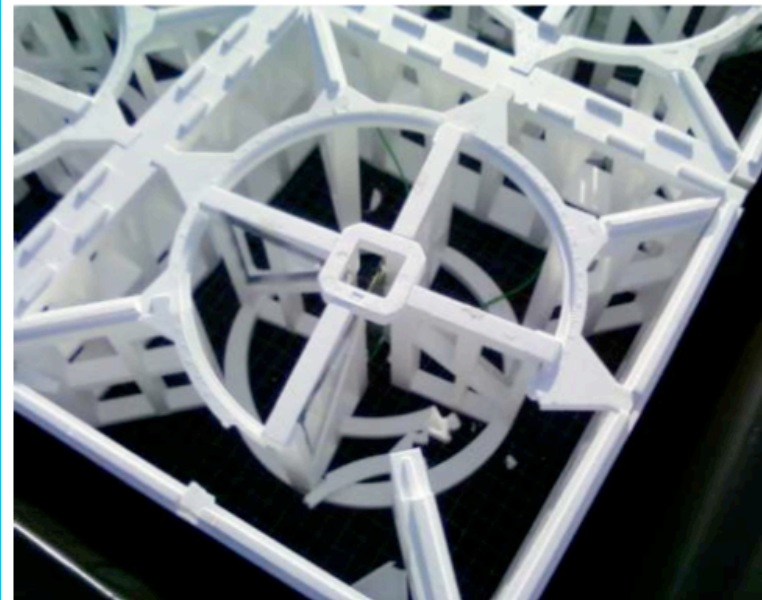


## Storms of Jan 2/3 & Jan 5

- NL: 1 HBA tile in CS007 slightly damaged and repaired on Jan 9.
- A few slightly loose covers
- After each storm we notice that occasionally ~one HBA tile stops working -> Loose connections ?



*Exposed section of Tile #18 before any remedial work started.*



*Northern-most "cell" in Tile #18, showing damage to structure.*

## CEP news

CEP Stopday: JAN 9

### CEP II cluster:

10 mainboards locus nodes ("rebooters") fixed and 9 available.  
Locus082 broken

Maintenance of various systems

A new NFS server planned for Jan 2012.

Upgrades of other online system computers (eg sas001)  
planned.

### CEP I cluster:

- LCE068 – LCE072: reconfigured as a test cluster for software development and builds (isolated from the rest of the system)

## News regarding observations and commissioning

- Further MSSS observations (>48 hrs/week):
- Completed first part of MSSS Calibrator Verification Programme (VCP) to assess the characteristics of the calibrators used for the MSSS observations.
- Observation for the MKSP BW: FAN region

### **Migration from the LUSG wiki to LOFAR wiki in progress**

LSM presentations appear in:

[www.lofar.org/wiki/doku.php?id=public:lsm\\_new:start](http://www.lofar.org/wiki/doku.php?id=public:lsm_new:start)

Earlier presentations are moved in batches

# CALENDAR of requested busy weeks and other LOFAR activities



<http://www.astron.nl/radio-observatory/astronomers/commissioning/commissioning-plan>

- 9 – 13 Jan : Cosmic Ray KSP Busy Week (Dwingeloo)
- 
- 23-27 Jan : Magnetism KSP Busy Week (Dwingeloo)
- 30 Jan – 3 Feb : Imaging Busy Week #13 (Meudon)
- 5 Feb : CEP stopday